ABSTRACT

CROWN FOR TIMEPIECE WITH DISCONNECTING GEAR DEVICE

The present invention concerns a crown for a timepiece comprising a disconnecting gear device for preventing damage to the components of the movement of the timepiece in which it is implemented. For this purpose, the crown (1) is provided with a housing (28) which houses a pipe (11), to which one end of a winding stem is connected, carrying at least one spring (4) and a rigid ring (15) secured to the crown and comprising notches (16) adapted to cooperate with the spring (4). In common use, a rotation of the crown causes a rotation of the pipe and thus of the winding stem, via the rigid ring and the spring. Owing to the device according to the present invention, when the mechanical resistance to the rotation opposed by the winding stem, via the pipe, exceeds a predefined threshold, the spring is deformed and is no longer driven in rotation by the rigid ring. Consequently, the winding stem is no longer driven in rotation in such conditions.

Figure 1